

Title: COMPRESSOR, ESPECIALLY AXIAL PISTON COMPRESSOR
FOR A VEHICLE AIR CONDITIONING SYSTEM

Inventor(s): Henrick Brandes and Daniel Damson
ANDRUS, SCEALES, STARKE & SAWALL, LLP (414-271-7590)
Atty. Docket No. 825-00193

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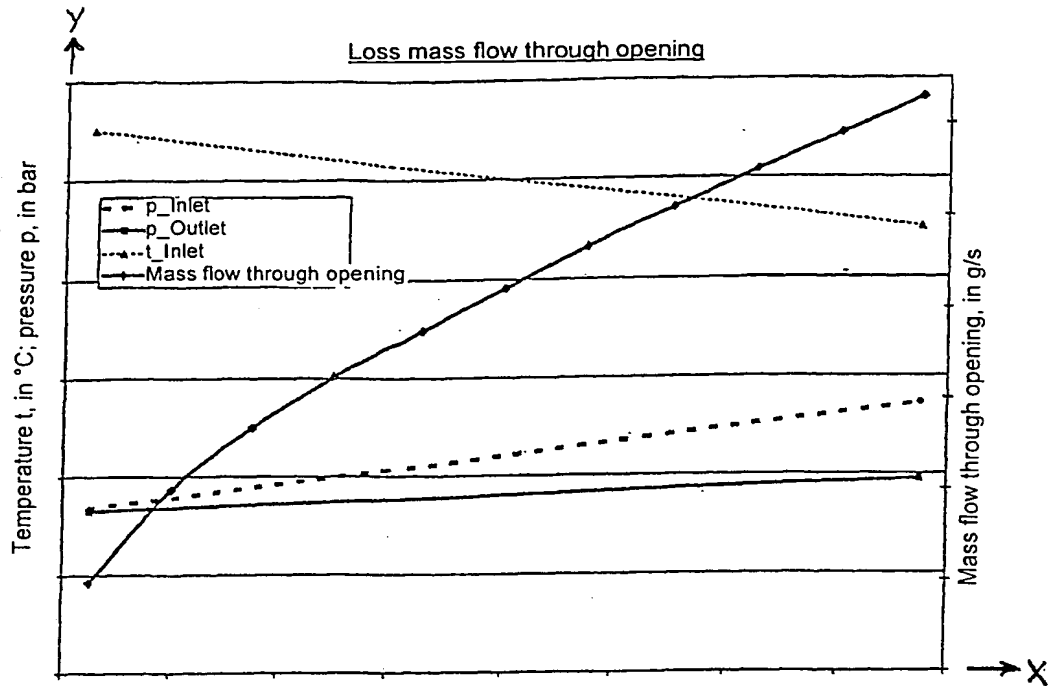


Fig. 1

Pressure difference between crank space and suction side, in bar

Loss mass flow through a constant opening
with increasing pressure difference

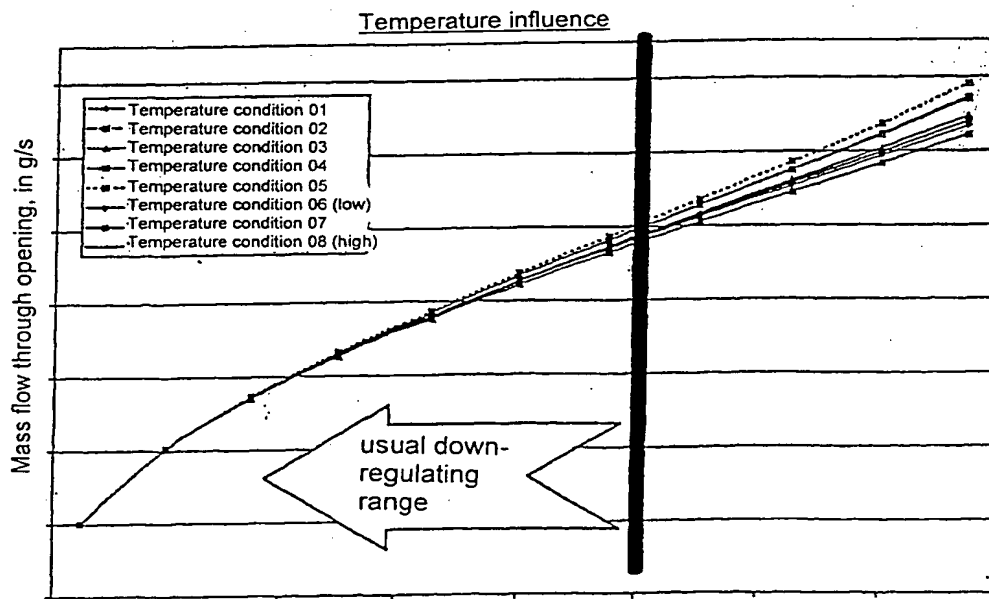


Fig. 2

Pressure difference between crank space and suction side, in bar

Mass flow between crank space and suction side
for typical climate operation

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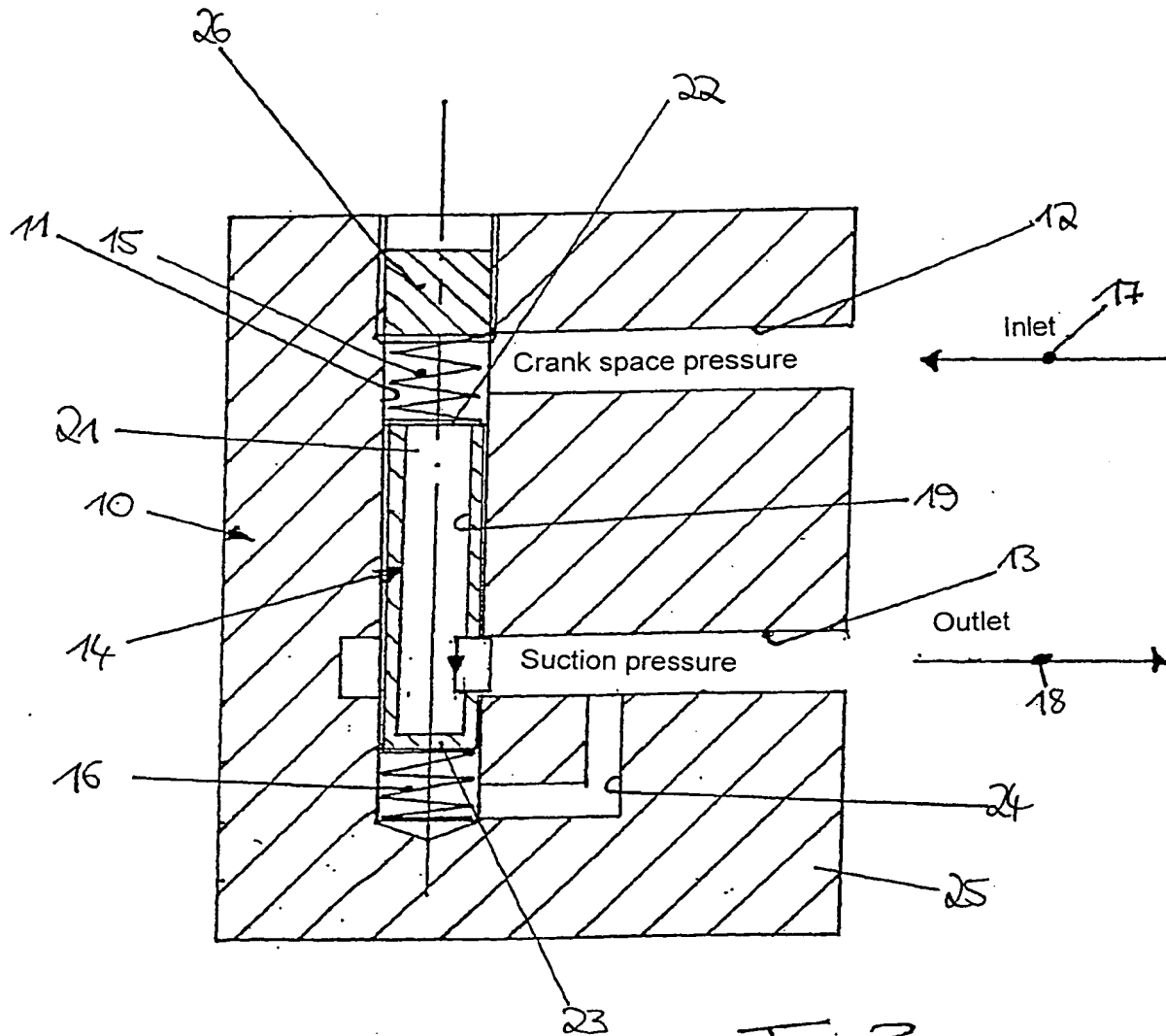


Fig. 3

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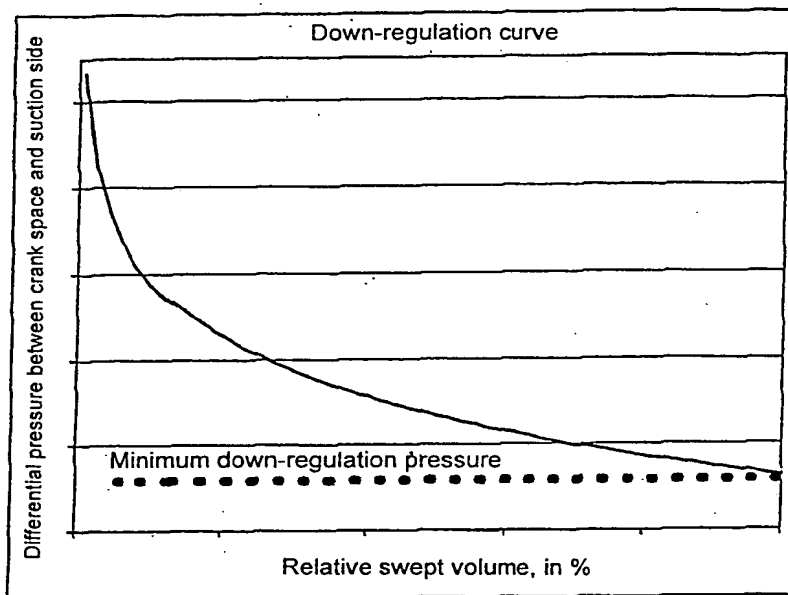


Fig. 4

Typical down-regulation curve of an externally regulated compressor

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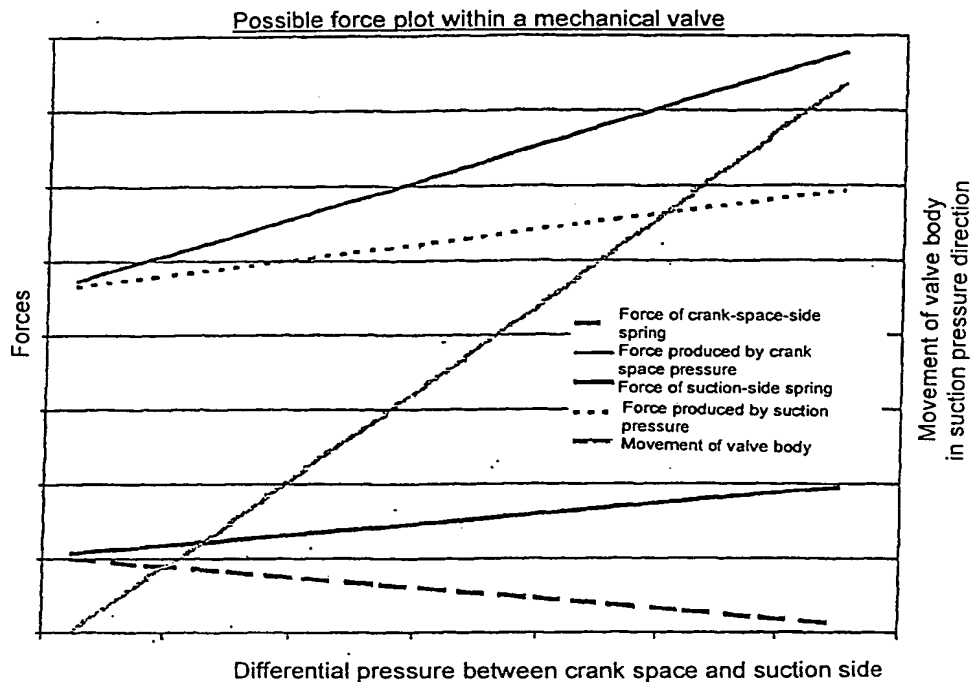


Fig. 5

Possible force plot during down-regulation with a mechanical valve

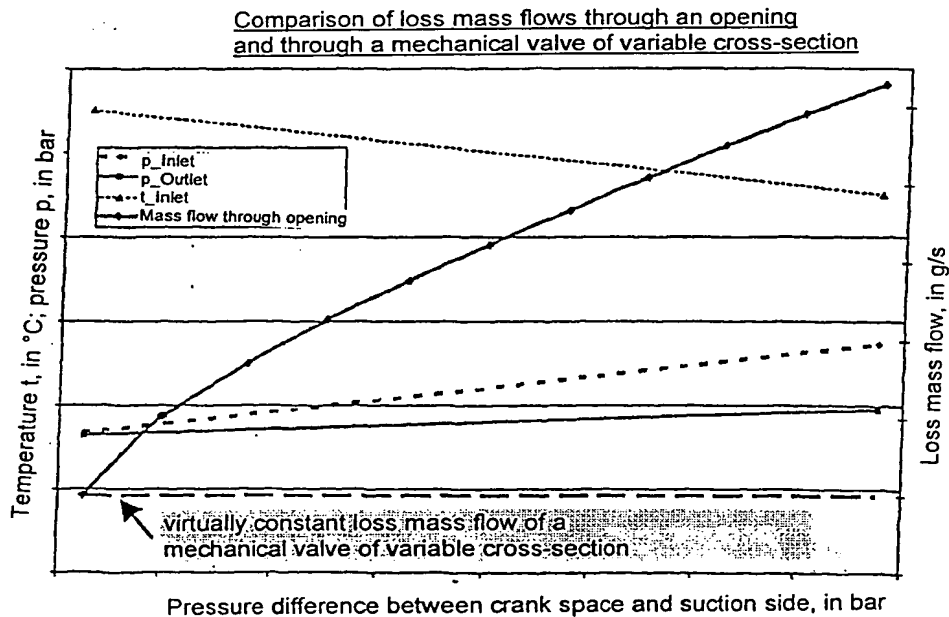


Fig. 6

Comparison of loss mass flows through an opening and through a mechanical valve of variable cross-section

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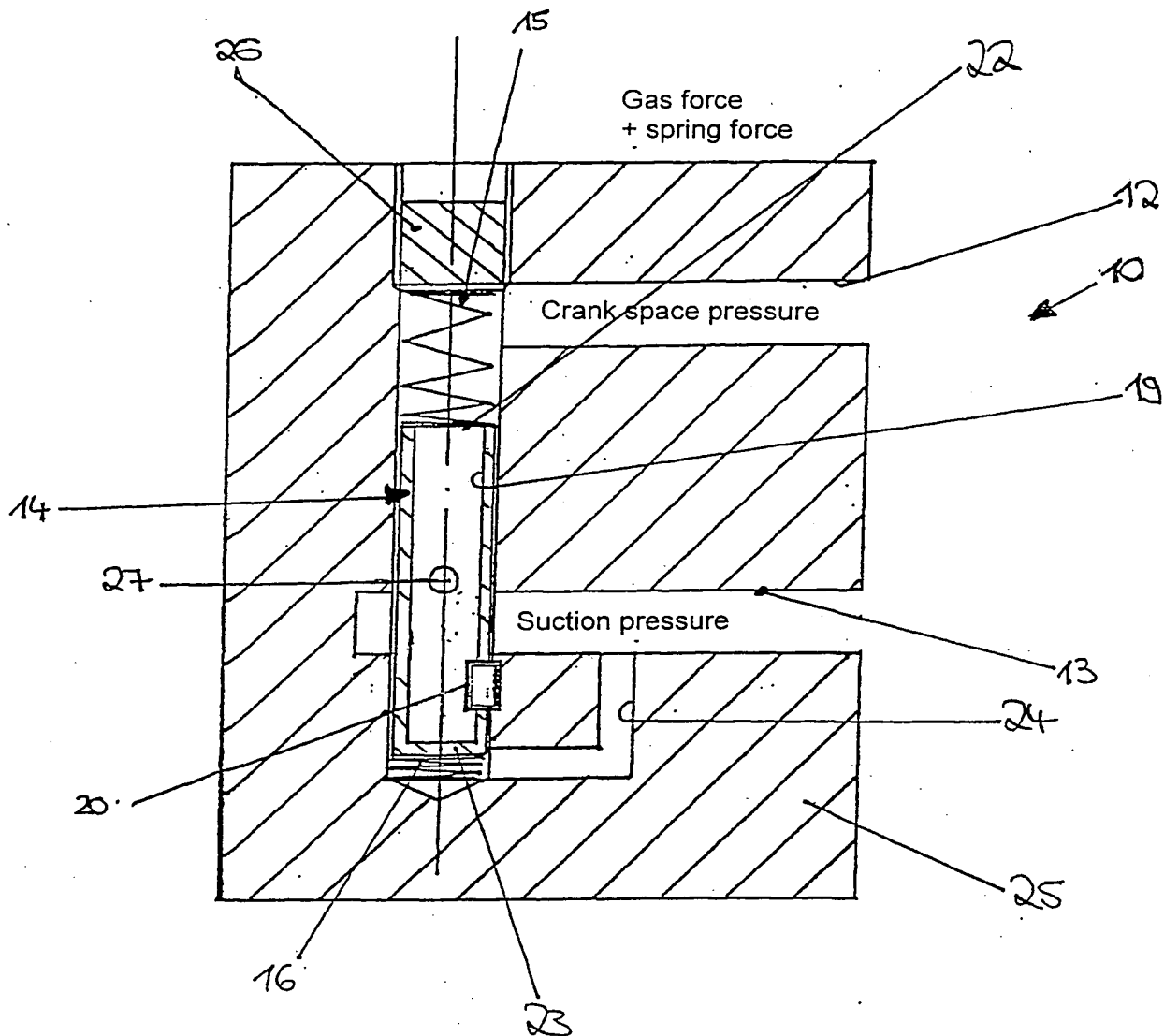


Fig. 7

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